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47069

7590

02/11/2011

KONRAD RAYNES & VICTOR, LLP
ATTN: IBM54
315 SOUTH BEVERLY DRIVE, SUITE 210
BEVERLY HILLS, CA 90212

EXAMINER

MIRZA, ADNAN M

ART UNIT

PAPER NUMBER

2443

DATE MAILED: 02/11/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/579,864	05/25/2000	Brent C. Hawks	STL9-2000-0034U51	9641

TITLE OF INVENTION: METHOD OF, SYSTEM FOR, AND COMPUTER PROGRAM PRODUCT FOR PROVIDING A DATA STRUCTURE FOR CONFIGURING CONNECTIONS BETWEEN A LOCAL WORKSTATION FILE SYSTEM AND A REMOTE HOST FILE SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	05/11/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail

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47069 7590 02/11/2011

**KONRAD RAYNES & VICTOR, LLP
ATTN: IBM54
315 SOUTH BEVERLY DRIVE, SUITE 210
BEVERLY HILLS, CA 90212**

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/579,864 05/25/2000

Brent C. Hawks

STL9-2000-0034US1

9641

TITLE OF INVENTION: METHOD OF, SYSTEM FOR, AND COMPUTER PROGRAM PRODUCT FOR PROVIDING A DATA STRUCTURE FOR CONFIGURING CONNECTIONS BETWEEN A LOCAL WORKSTATION FILE SYSTEM AND A REMOTE HOST FILE SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	05/11/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
MIRZA, ADNAN M	2443	709-213000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/OI/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

1

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/579,864	05/25/2000	Brent C. Hawks	STL9-2000-0034US1	9641
47069	7590	02/11/2011	EXAMINER	
KONRAD RAYNES & VICTOR, LLP ATTN: IBM54 315 SOUTH BEVERLY DRIVE, SUITE 210 BEVERLY HILLS, CA 90212			MIRZA, ADNAN M	
			ART UNIT	PAPER NUMBER
			2443	
DATE MAILED: 02/11/2011				

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability**Application No.**

09/579,864

Applicant(s)

HAWKS ET AL.

Examiner

ADNAN MIRZA

Art Unit

2443

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/05/2010.
2. ☒ The allowed claim(s) is/are 1,9-14,23,24,31-37,39-47,49 and 50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

/ADNAN MIRZA/
Examiner, Art Unit 2443

EXAMINER'S AMENDMENT

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it must be submitted no later than the payment of the issue fee.

Authorization for this Examiner's Amendment was given in a telephone interview with David Victor on 12/28/2010.

Please amend claims 1, 31, 41.

Listing of Claims

1. (Currently Amended) A method for providing information describing a file system connection between a local file system located on a local system and a host file system located on a host system, said method comprising:

encoding a local system data structure comprising at least one tag representing the local file system;

encoding a host system data structure comprising at least one tag representing the host file system; [[and]]

encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a metalanguage format, wherein each tag has an identifier and a set of one or more attributes, and wherein the encoded local system data structure, host system data structure, and mapping data structure form a file system connection descriptor; and

using the file system connection descriptor to access the host file indicated in the mapping data structure by using the mapping data structure to determine a pattern describing a host file system type that maps to a local file system type, wherein the transfer type for the pattern defines how data is transferred between a host file of the host file system type having the determined pattern to the local file system in which the local file system type applies, wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system, and wherein a second transfer type indicates to translate text in the file to transfer from the host file system to the local file system.

2-8. (Canceled)

9. (Previously Presented) The method of claim 1, wherein the local file system type comprises a local file extension, wherein the mapping data structure comprises:

- a local file extension data structure storing the local file extension for each mapping;

- a host file pattern data structure storing the pattern for each mapping describing a host file to which the local file extension will be applied.

10. (Previously Presented) The method of claim 9, wherein the mapping data structure further comprises:

- a host codepage data structure storing an identification of a host codepage in which data in the host file is encoded; and

- a local-codepage data structure storing an identification of a local codepage in which data in a local file is encoded.

11. (Previously Presented) The method of claim 1, wherein the host system data structure comprises:

- a data structure storing an identification of the host system;

- a data structure storing an identification of a user of the host system;

- a data structure storing an identification of a preferred drive on the local system; and

a data structure storing an indication that the preferred drive be automatically connected by default when a remote connection is established with the host system.

12. (Previously Presented) The method of claim 1, wherein the host system data structure further comprises:

a data structure storing an identification of a list of qualifier data structures, wherein each qualifier data structure stores a qualifier name, a name identifying a directory on the host system, and an identification of file attributes of a file located in the host system directory.

13. (Previously Presented) The method of claim 1, wherein the file system connection descriptor is encoded in a tagged metalanguage document comprising one or more tags, each tag having an identifier and a set of one or more attributes.

14. (Previously Presented) The method of claim 13, wherein the tagged metalanguage is Extensible Markup Language (XML).

15-22. (Canceled)

23. (Previously Presented) The method of claim 1, wherein the first transfer type comprises a binary transfer type and wherein the second transfer type comprises a text transfer type.

24. (Previously Presented) The method of claim 1, wherein a host and local code pages are used to translate text for the text transfer type.

25-30. (Canceled)

31. (Previously Presented) A system for providing information describing a file system connection between a local file system located on a local system and a host file system located on a host system, comprising:

a processor; and

a computer ~~usable~~ readable storage medium ~~device~~ media including code executed by the processor to perform operations, the operations comprising:

- encoding a local system data structure comprising at least one tag representing the local file system;

- encoding a host system data structure comprising at least one tag representing the host file system; [[and]]

- encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a metalanguage format, wherein each tag has an identifier and a set of one or more attributes, and wherein the encoded local system data structure, host system data structure, and mapping data structure form a file system connection descriptor; and

- using the file system connection descriptor to access the host file indicated in the mapping data structure by using the mapping data structure to determine a pattern describing a host file system type that maps to a local file system type, wherein the transfer type for the pattern defines how data is transferred between a host file of the host file system type having the determined pattern to the local file system in which the local file system type applies, wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system, and wherein a second transfer type indicates to translate text in the file to transfer from the host file system to the local file system.

32. (Previously Presented) The system of claim 31, wherein the local file system type comprises a local file extension, wherein the mapping data structure comprises:

- a local file extension data structure storing the local file extension for each mapping;

- a host file pattern data structure storing the pattern for each mapping describing a host file to which the local file extension will be applied.

33. (Previously Presented) The system of claim 32, wherein the mapping data structure further comprises:

a host codepage data structure storing an identification of a host codepage in which data in the host file is encoded; and

a local-codepage data structure storing an identification of a local codepage in which data in a local file is encoded.

34. (Previously Presented) The system of claim 31, wherein the host system data structure comprises:

a data structure storing an identification of the host system;

a data structure storing an identification of a user of the host system;

a data structure storing an identification of a preferred drive on the local system; and

a data structure storing an indication that the preferred drive be automatically connected by default when a remote connection is established with the host system.

35. (Previously Presented) The system of claim 31, wherein the host system data structure further comprises:

a data structure storing an identification of a list of qualifier data structures, wherein each qualifier data structure stores a qualifier name, a name identifying a directory on the host system, and an identification of file attributes of a file located in the host system directory.

36. (Previously Presented) The system of claim 31, wherein the file system connection descriptor is encoded in a tagged metalanguage document comprising one or more tags, each tag having an identifier and a set of one or more attributes.

37. (Previously Presented) The system of claim 36, wherein the tagged metalanguage is Extensible Markup Language (XML).

38. (Canceled)

39. (Previously Presented) The system of claim 31, wherein the first transfer type comprises a binary transfer type and wherein the second transfer type comprises a text transfer type.

40. (Previously Presented) The system of claim 31, wherein a host and local code pages are used to translate text for the text transfer type.

41. (Currently Amended) A computer program product comprising a computer ~~useable~~ readable storage medium device including code executed by a processor for providing information describing a file system connection between a local file system located on a local system and a host file system located on a host system, wherein the code is executed to perform operations, the operations comprising:

- encoding a local system data structure comprising at least one tag representing the local file system;

- encoding a host system data structure comprising at least one tag representing the host file system; [[and]]

- encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a meta language format, wherein each tag has an identifier and a set of one or more attributes, and wherein the encoded local system data structure, host system data structure, and mapping data structure form a file system connection descriptor; and

- using the file system connection descriptor to access the host file indicated in the mapping data structure by using the mapping data structure to determine a pattern describing a host file system type that maps to a local file system type, wherein the transfer type for the pattern defines how data is transferred between a host file of the host file system type having the determined pattern to the local file system in which the local file system type applies, wherein a first transfer type indicates to transfer one file unmodified between the host file system and the

local file system, and wherein a second transfer type indicates to translate text in the file to transfer from the host file system to the local file system.

42. (Previously Presented) The computer program product of claim 41, wherein the local file system type comprises a local file extension, wherein the mapping data structure comprises:

- a local file extension data structure storing the local file extension for each mapping;
- a host file pattern data structure storing the pattern for each mapping describing a host file to which the local file extension will be applied.

43. (Previously Presented) The computer program product of claim 42, wherein the mapping data structure further comprises:

- a host codepage data structure storing an identification of a host codepage in which data in the host file is encoded; and
- a local-codepage data structure storing an identification of a local codepage in which data in a local file is encoded.

44. (Previously Presented) The computer program product of claim 41, wherein the host system data structure comprises:

- a data structure storing an identification of the host system;
- a data structure storing an identification of a user of the host system;
- a data structure storing an identification of a preferred drive on the local system; and
- a data structure storing an indication that the preferred drive be automatically connected by default when a remote connection is established with the host system.

45. (Previously Presented) The computer program product of claim 41, wherein the host system data structure further comprises:

- a data structure storing an identification of a list of qualifier data structures, wherein each qualifier data structure stores a qualifier name, a name identifying a directory on the host system, and an identification of file attributes of a file located in the host system directory.

46. (Previously Presented) The computer program product of claim 41, wherein the file system connection descriptor is encoded in a tagged metalanguage document comprising one or more tags, each tag having an identifier and a set of one or more attributes.

47. (Previously Presented) The computer program product of claim 46, wherein the tagged metalanguage is Extensible Markup Language (XML).

48. (Canceled)

49. (Previously Presented) The computer program product of claim 41, wherein the first transfer type comprises a binary transfer type and wherein the second transfer type comprises a text transfer type.

50. (Previously Presented) The computer program product of claim 41, wherein a host and local code pages are used to translate text for the text transfer type.

Reasons for Allowance

1. Claims 1, 9-14, 23, 24, 31-37, 39-47, 49 and 50 will be allowed.
2. The following is an examiner's statement of reasons for allowance.

The prior art references most closely resembling the applicant's claimed invention are Xu et al (U.S. 6,324,581) and Crozier (U.S. 5,392,390).

First Xu disclosed a plurality of data mover computers control access to respective file system in data storage. A network client serviced by any of the data movers can access

each of the file systems. If a data mover receives a client request for access to a file in a file system to which access is controlled by another data mover, then the data mover that received the client request sends a metadata request to the data mover that controls access to the file system. Xu failed to disclose "encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a meta language format, wherein each tag has an identifier and a set of one or more attributes, and wherein the encoded local system data structure, host system data structure, and mapping data structure form a file system connection descriptor; and using the file system connection descriptor to access the host file indicated in the mapping data structure by using the mapping data structure to determine a pattern describing a host file system type that maps to a local file system type, wherein the transfer type for the pattern defines how data is transferred between a host file of the host file system type having the determined pattern to the local file system in which the local file system type applies, wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system, and wherein a second transfer type indicates to translate text in the file to transfer from the host file system to the local file system" (claims 1,31,41).

Second Crozier disclosed a method for the translation of dissimilarly-formatted data between disparate computer applications and platforms. However Crozier failed to disclose "encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a meta language format, wherein each tag has an identifier and a set of one or more attributes, and wherein the encoded local system data structure, host system data structure, and mapping data structure form a file system connection descriptor; and using the file system

connection descriptor to access the host file indicated in the mapping data structure by using the mapping data structure to determine a pattern describing a host file system type that maps to a local file system type, wherein the transfer type for the pattern defines how data is transferred between a host file of the host file system type having the determined pattern to the local file system in which the local file system type applies, wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system, and wherein a second transfer type indicates to translate text in the file to transfer from the host file system to the local file system" (claims 1,31,41).

In summary, the Examiner submits that Xu and Crozier does not teach all the limitations of independent claims in combination with other elements. Specifically prior art does not teach "encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system, wherein the tags are in a meta language format, wherein each tag has an identifier and a set of one or more attributes, and wherein the encoded local system data structure, host system data structure, and mapping data structure form a file system connection descriptor; and using the file system connection descriptor to access the host file indicated in the mapping data structure by using the mapping data structure to determine a pattern describing a host file system type that maps to a local file system type, wherein the transfer type for the pattern defines how data is transferred between a host file of the host file system type having the determined pattern to the local file system in which the local file system type applies, wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system, and wherein a second transfer type indicates to translate text in the file to transfer from the host file system to the local file system"; therefore, claims 1, 9-14, 23, 24, 31-37,39-47, 49 and 50 have been deemed allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adnan Mirza whose telephone number is (571) 272-3885. The examiner can normally be reached on Monday through Friday from 9:30 A.M. to 6:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tonia Dollinger can be reached on (571)-272-4170. The fax phone numbers for the organization where this application or proceeding is assigned are listed herein below. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for un published applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

/ADNAN MIRZA/

Examiner, Art Unit 2443